



**US Army Corps
of Engineers**
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Environmental Executive Notes

**June 2000
News Briefs from**

Environmental Laboratory
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UXO, Explosives, and Energetics Restoration CD-ROM

A UXO, Explosives, and Energetics Restoration CD-ROM has been prepared under the Environmental Restoration Research Program (ERRP). The CD is a compendium of ERDC technical reports, journal articles, and conference reports that document the development of environmental restoration technologies related to the detection and target discrimination of UXO; the fate, transport, treatment, and remediation of propellants; and the fate, transport, and remediation of white phosphorus contamination. Copies of the CD-ROM were disbursed at the May 2000 UXO Countermine Forum held in Anaheim, CA. **POC: John Ballard, 601-634-2446, ballarj1@wes.army.mil**

ERDC Team Member Recognized

Dr. H. Roger Hamilton, Chief, Resource Analysis Branch, Environmental Laboratory, ERDC, was awarded the prestigious Walter T. Cox Award at Clemson University. The national award is given annually through the George B. Hartzog, Jr. Environmental Awards Program for sustained achievement in public service, providing inspirational leadership in natural and cultural resources policy formation. **POC: Dr. H. Roger Hamilton, 601-634-3726, hamilth@wes.army.mil**

CE-QUAL-ICM Model

The Water Quality and Contaminant Model Branch recently completed a water quality modeling study on San Pedro Bay, California, for the Los Angeles District. Proposed harbor expansions at the Port of Los Angeles were evaluated with the multi-dimensional water quality and eutrophication model CE-QUAL-ICM. Twelve different fill configurations in and around Pier 300 were modeled to determine impacts on water quality. **POCs: Dr. Barry W. Bunch, 601-634-3617, bunchb@wes.army.mil or Dorothy H. Tillman, 601-634-2676, tillmad@wes.army.mil**

Biostabilization of Contaminated Sediments

The SERDP Program Office sponsored a "biostabilization" project that explored mechanisms controlling PAH sequestration. The project integrated thermal programmed desorption mass spectrometry, bioslurry treatment, and toxicological earthworm bioassays. Significant findings of this work included: (1) PAHs were found preferentially on coal-derived particles; (2) clay/silt particles released PAHs more readily than coal-derived particles; (3) PAH reduction in clay/silt fractions resulted in significant reduction in earthworm PAH bioaccumulation; and (4) sequestration energy increased with an increase in PAH homologs and was highly dependent on the sorbent. The SERDP Program Office recognized this project as its 1999 Research Project of the Year. **POC: Jeff Talley, 601-634-2856, talleyj@wes.army.mil**

PIANC Working Group

The Permanent International Association of Navigation Congresses (PIANC) Working Group on "Ecological Engineering Guidelines for Wetland Restoration in Relation to the Development, Operation and Maintenance of Navigation Infrastructure" met in Geneva, Switzerland, on 21-23 June 2000. The Working Group is represented by nine different countries from Europe, North America and Asia. Dr. Russell Theriot, EL, chaired the Working Group. **POC: Dr. Russell F. Theriot, 601-634-2733, therior@wes.army.mil**

Quality Assurance Analysis

Readers are reminded that the Chemistry Quality Assurance Branch and Environmental Chemistry Branch provide analytical analysis in support of Corps of Engineers environmental projects. Analytical analysis includes a wide variety of analytical procedures (i.e., EPA SW-846, ASTM). The QA testing program has a history of assisting in the successful completion of environmental projects. The QA testing has often identified analytical deficiencies at the initial stages of projects, and immediate corrective action has resulted in significant project cost savings. **POC: Dr. Douglas B. Taggart, 402-444-4300, Douglas.B.Taggart@nwo02.usace.army.mil**

Upcoming environmental events

July 9-14, 2000, Kalispell, MT, "Regulatory V HGM Functional Assessment for Low-Gradient Fine-Grained Riverine Wetlands" training course, **POC: Dr. Buddy Clairain (601-634-3774, clairae@wes.army.mil)**

July 31-August 4, 2000, Olympia, WA, "Constructed Wetlands for Habitat Mitigation" workshop, **POC: Dr. Robert Lazor (601-634-2935, lazorb@wes.army.mil)**

August 6-12, 2000, Quebec, Canada, "Millenium Wetland Event," Intecol and Society of Wetland Scientists/International Mire Conservation Group, **POC: Dr. Robert Lazor (601-634-2935, lazorb@wes.army.mil)**

August 21-25, 2000, Olympia, WA, "Wetland Development and Restoration" training course, **POC: Dr. Robert Lazor (601-634-2935, lazorb@wes.army.mil)**

Available on-line [<http://www.wes.army.mil/el>]

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